BEHR
STAINS•VARNISHES•PAINTS

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product Name:	**Deck Plus Solid Color Deck, Fence & Siding Wood Stain Ultra Pure White No. 210**
Product Number:	210
Manufacturer Name:	BEHR Process Corporation
Address:	3400 W. Segerstrom Avenue Santa Ana CA 92704

U.S. Contact Info.:

Business Phone:	(714) 545-7101
Technical Service Phone:	(800) 854-0133 ext. 2
Business Fax:	(714) 241-1002

Canadian Contact Info.:

Business Phone:	(800) 661-1591
Technical Service Phone:	(800) 661-1591
Business Fax:	(800) 387-0019

NFPA

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HMIS

HEALTH	1
FIRE	1
REACTIVITY	0
PPE	

For Transportation Emergencies:
In the US, call CHEMTREC: (800) 424-9300
In Canada, call CANUTEC: (613) 996-6666 (call collect)

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SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

Product No. 210

Chemical Name	CAS#	Lower Percent	Upper Percent
Additives, dyes, solvents, pigments, emulsifiers, and others	Mixture	15	40
2,2,4-trimethyl-1,3-pentanediol monoisobutyrate	25265-77-4	1	5
Aluminum Hydroxide	21645-51-2	1	5
Amorphous silica	7631-86-9	1	5
Magnesium Aluminum Silicate	12174-11-7	1	5
Magnesium silicate	14807-96-6	1	5
Monoethylene Glycol	107-21-1	1	5
Silica,amorphous,diatomaceous	61790-53-2	1	5
Titanium dioxide	13463-67-7	1	5
Non-hazardous ingredients		1	5

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SECTION 3: HAZARDS IDENTIFICATION

Emergency Overview:	Irritant.

Applies to all Ingredients

Potential Health Effects:	
Eye Contact:	May cause irritation.
Skin Contact:	May cause irritation.
Inhalation:	Prolonged or excessive inhalation may cause respiratory tract irritation.
Ingestion:	May be harmful if swallowed. May cause vomiting.
Chronic Skin Contact:	Prolonged or repeated contact may cause skin irritation.
Target Organs:	Eyes. Skin. Respiratory system. Digestive system.
Signs/Symptoms:	Overexposure may cause headaches and dizziness.
Aggravation of Pre-Existing Conditions:	None generally recognized.
Guideline Type:	No Information Provided

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SECTION 4: FIRST AID MEASURES

Product No. 210

Eye Contact:	Immediately flush eyes with plenty of water for 15 to 20 minutes. Get medical attention, if irritation or symptoms of overexposure persists.
Skin Contact:	Immediately wash skin with soap and plenty of water. Get medical attention if irritation develops or persists.
Inhalation:	If inhaled, remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. Seek immediate medical attention.
Ingestion:	If swallowed, do NOT induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.
Other First Aid:	Due to possible aspiration into the lungs, DO NOT induce vomiting if ingested. Provide a glass of water to dilute the material in the stomach. If vomiting occurs naturally, have the person lean forward to reduce the risk of aspiration.

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SECTION 5: FIRE FIGHTING MEASURES

Product No. 210

Flash Point:	No Data
Upper Flammable or Explosive Limit:	No Data
Lower Flammable or Explosive Limit:	No Data
Extinguishing Media:	Use alcohol foam, carbon dioxide, dry chemical, or water fog or spray when fighting fires involving this material.
Protective Equipment:	As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

Product No. 210

Personal Precautions:	Use proper personal protective equipment as listed in section 8.
Spill Cleanup Measures:	Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Provide ventilation. Clean up spills immediately observing precautions in the protective equipment section.
Environmental Precautions:	Avoid runoff into storm sewers, ditches, and waterways.

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SECTION 7: HANDLING AND STORAGE

Product No. 210

Handling:	Use with adequate ventilation. Avoid breathing vapor and contact with eyes, skin and clothing.
Storage:	Store in a cool, dry, well ventilated area away from sources of heat, combustible

	materials, and incompatible substances. Keep container tightly closed when not in use.
Hygiene Practices:	Wash thoroughly after handling. Avoid contact with eyes and skin. Avoid inhaling vapor or mist.

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SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION

Product No. 210

Engineering Controls:	Use appropriate engineering control such as process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. Good general ventilation should be sufficient to control airborne levels. Where such systems are not effective wear suitable personal protective equipment, which performs satisfactorily and meets OSHA or other recognized standards. Consult with local procedures for selection, training, inspection and maintenance of the personal protective equipment.
Skin Protection Description:	Chemical-resistant gloves and chemical goggles, face-shield and synthetic apron or coveralls should be used to prevent contact with eyes, skin or clothing.
Hand Protection Description:	Wear appropriate protective gloves. Consult glove manufacturer's data for permeability data.
Eye/Face Protection:	Wear appropriate protective glasses or splash goggles as described by 29 CFR 1910.133, OSHA eye and face protection regulation, or the European standard EN 166.
Respiratory Protection:	A NIOSH approved air-purifying respirator with an organic vapor cartridge or canister may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits. Protection provided by air purifying respirators is limited. Use a positive pressure air supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air purifying respirators may not provide adequate protection.
Other Protective:	Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Ingredient Guidelines	Guideline Type	Guideline Information
Magnesium silicate		
	OSHA PEL-TWA	20 mg/m3
	ACGIH TLV-TWA	2 mg/m3 (Respirable)
Monoethylene Glycol		
	ACGIH TLV-STEL	C 100 mg/m3 (Aerosol only)
Silica,amorphous,diatomaceous		
	ACGIH TLV-TWA	3 mg/m3 (Respirable)
Titanium dioxide		
	OSHA PEL-TWA	15 mg/m3
	ACGIH TLV-TWA	10 mg/m3

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Product No. 210

Physical State/Appearance:	Liquid
Color:	white
pH:	8.5 to 9.5
Vapor Density:	Greater than 1 (Air = 1)
Density:	10.8-11.4 Lbs./gal.
Molecular Formula:	Mixture
Molecular Weight:	Mixture

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SECTION 10: STABILITY AND REACTIVITY

Product No. 210

Chemical Stability:	Stable under normal temperatures and pressures.
Conditions to Avoid:	Heat, flames, incompatible materials, and freezing or temperatures below 32 deg. F.
Incompatibilities with Other Materials:	Oxidizing agents. Strong acids and alkalis.
Hazardous Polymerization:	Not reported.
Hazardous Decomposition Products:	Incomplete combustion may produce carbon monoxide and other toxic gases.

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SECTION 11: TOXICOLOGICAL INFORMATION

Product No. 210

Amorphous silica

Eye Effect:	Eye's - Rabbit : 25 mg/24H; Mild. (RTECS)
Carcinogenicity:	IARC: Group 3: Unclassifiable as to carcinogenicity to humans

Magnesium silicate

Skin Effects:	Skin - Human: 300 ug/3D (Intermittent); Mild. (RTECS)
Carcinogenicity:	IARC: Group 3: Unclassifiable as to carcinogenicity to humans

Monoethylene Glycol

Eye Effect:	Eye's - Rabbit : 1440 mg/6H; Moderate. Eye's - rat: 0.000012%/3D; No effects reported. (RTECS)
Skin Effects:	Skin - Rabbit : 555 mg; Mild. (RTECS) Skin - Rabbit LD50: 9530 uL/kg; Details of toxic effects not reported other than lethal dose value

Titanium dioxide

Skin Effects:	Skin - Human: 300 ug/3D (Intermittent); Mild. (RTECS)
Carcinogenicity:	IARC: Group 3: Unclassifiable as to carcinogenicity to humans

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SECTION 12: ECOLOGICAL INFORMATION

Product No. 210

Ecotoxicity:	No ecotoxicity data was found for the product.
Environmental Fate:	No environmental information found for this product.

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SECTION 13: DISPOSAL CONSIDERATIONS

Product No. 210

Waste Disposal:	Consult with the US EPA Guidelines listed in 40 CFR Part 261.3 for the classifications of hazardous waste prior to disposal. Furthermore, consult with your state and local waste requirements or guidelines, if applicable, to ensure compliance. Arrange disposal in accordance to the EPA and/or state and local guidelines.

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SECTION 14: TRANSPORT INFORMATION

Product No. 210

DOT Hazard Class:	No Data
DOT Identification Number:	No Data

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SECTION 15: REGULATORY INFORMATION

Product No. 210

2,2,4-trimethyl-1,3-pentanediol monoisobutyrate

TSCA 8(b): Inventory Status:	Listed

Aluminum Hydroxide

TSCA 8(b): Inventory Status:	Listed

Amorphous silica

TSCA 8(b): Inventory Status:	Not listed
Canada DSL:	Listed

Magnesium Aluminum Silicate

TSCA 8(b): Inventory Status:	Not listed

Magnesium silicate

TSCA 8(b): Inventory Status:	Listed

Monoethylene Glycol

TSCA 8(b): Inventory Status:	Listed
State:	Listed in the New Jersey State Right to Know list.
Canada DSL:	Listed

Silica,amorphous,diatomaceous

TSCA 8(b): Inventory Status:	Listed

Titanium dioxide

TSCA 8(b): Inventory Status:	Listed
Proposition 65:	WARNING: This product contains a chemical known to the state of California to cause cancer and birth defects or other reproductive harm.

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SECTION 16: ADDITIONAL INFORMATION

Product No. 210

MSDS Preparation Date:	5/2003
MSDS Revision Date:	4/2004
MSDS Author:	Actio Corporation

Disclaimer:

This Health and Safety Information is correct to the best of our knowledge and belief at the date of its publication but we cannot accept liability for any loss, injury or damage which may result from its use. We shall ensure, so far as is reasonably practicable, that any revision of this Data Sheet is sent to all customers to whom we have directly supplied this substance, but must point out that it is the responsibility of any intermediate supplier to ensure that such revision is passed to the ultimate user. The information given in the Data Sheet is designed only as a guidance for safe handling, storage and the use of the substance. It is not a specification nor does it guarantee any specific properties. All chemicals should be handled only by competent personnel, within a controlled environment. Should further information be required, this can be obtained through the sales office whose address is at the top of this data sheet.

References:

1. American Chemical Society, STN Easy Online Database
2. Brethericks Reactive Chemical Hazards Database. Version 2.
3. Gassarett and Doulls Toxicology, The Basic Science of Poisons.
4. Hawleys Condensed Chemical Dictionary, Thirteenth Edition
5. IARC monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Man, WHO International Research on Cancer.
6. Industrial Hygiene and Toxicology, by F.A. Patty.
7. National Library of Medicine, Department of Health and Human Services, Hazardous Substances Data Bank (HSDB).
8. National Toxicology Program (NTP) Eighth Report on Carcinogens, 1997.
9. NIOSH Registry of Toxic Effects of Chemical Substances (RTECS) and Pocket Guide to Chemical Hazards.
10. OSHA Hazard Communication Standard, 1910.1200 and Z Tables.
11. Sax Dangerous Properties of Industrial Materials. Tenth Edition.
12. The Merck Index: An Encyclopedia of Chemicals and Drugs. Merck and Company. Twelfth Edition 1998.
13. Threshold Limit Values for Chemical Substances and Physical Agents in the Work Environmental and Biological Exposure Indices. TLV Booklet, 2001.

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